OWNER GUIDE

Power-Pole® Blade Edition
Shallow Water Anchor

Blade™

Featuring

C-MONSTER™
CONTROL SYSTEM

Operation • Maintenance

POWER-POLE®
SHALLOW WATER ANCHOR

US Pat No. 6,041,730

Welcome to the world of Power-Pole®,
the original shallow water anchor.
MERCURY
225
ProXS
POWER-POLE®
SHALLOW WATER ANCHOR

Congratulations on your purchase of a Power-Pole® Blade Edition shallow water anchor system. The new Blade features the innovative C-Monster Control System which incorporates the latest wireless technology, ease of use and dependability for all levels of anglers. Whether you are a pro on the tour or a weekend warrior, the Power-Pole Blade will provide the best possible performance through design, engineering and manufacturing for years of enjoyment.

John Oliverio invented the Power-Pole shallow water anchor out of pure need as an angler on the Redfish tour. Through intense research and development the Power-Pole Blade Edition was created. The ease of installation and use of a completely wireless system allows the angler to focus on the fish instead of the boat. The new Blade offers several wireless choices to control the system; advanced surface mount switch, advanced foot switch, standard remote control or the new technologically advanced motion sensitive key fob remote. A simple double press of a single button deploys the Blade to anchor the boat quickly, quietly and securely without the angler having to lose focus on his catch.

The information contained in this guide describes the procedures for safe use and proper maintenance of your new Power-Pole shallow water anchor.

If you have questions about your new Power-Pole anchor we're always here to help. There are FAQs, videos and technical support on our web site at **www.power-pole.com** or call our Technical Support Team at **813.689.9932 option 2.**

Blade™ Featuring C-MONSTER CONTROL SYSTEM

Operating the Power-Pole shallow water anchor

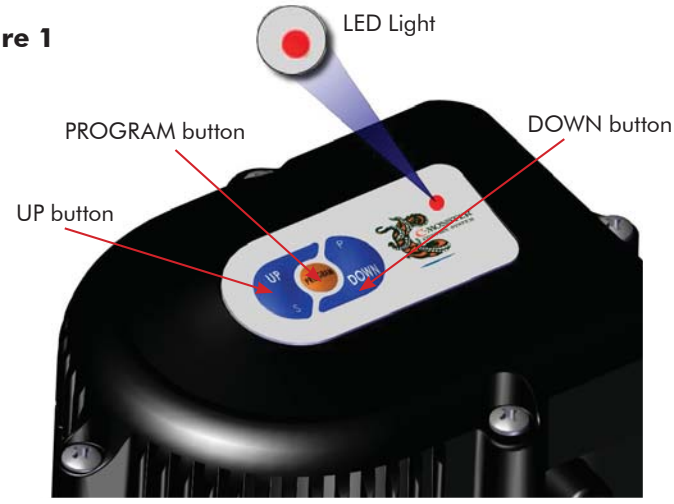
HPU (Hydraulic Pump Unit) Top Side Controls

Locate the "program" button and depress and hold it for 6 seconds until LED flashes red and two chimes are heard followed by a single beep. (Figure 1)

NOTE: You are now in **Function 1**.

1. Press and release the program button to toggle through all the functions below, until you reach the function you wish to adjust:

Figure 1



1 beep = Set HPU as single, port or starboard side (see Function 1)

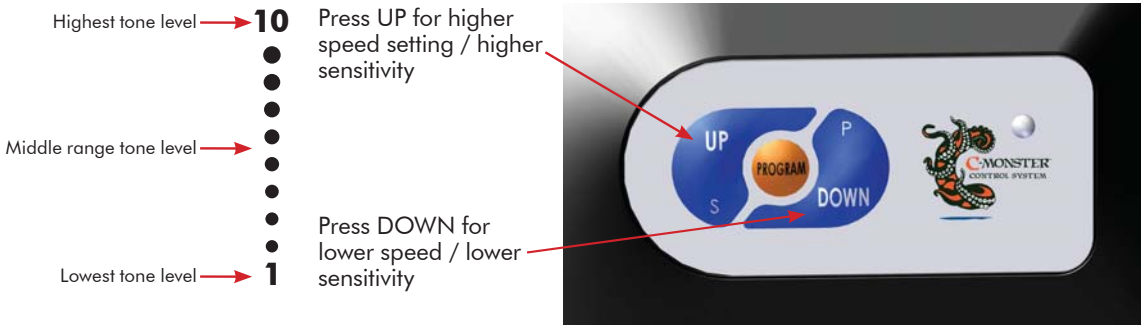
2 beeps = Changes the standard 2 – button Key-Fob (Figure 2)

3 beeps = Up direction sensitivity adjustment – Controls the operation of the Auto Up features. If the unit continues to run once retracted, increase the sensitivity. If the unit stops running prematurely, decrease the sensitivity. (Figure 2)

4 beeps = Down direction sensitivity adjustment – Controls the operation of the Auto Down feature. If the unit turns off prematurely during deployment, decrease the sensitivity. If the unit continuous to run once anchored, increase the sensitivity. (Figure 2)

You can use the UP and DOWN buttons to change the settings, (NOTE: default settings are in the middle of the range). Tone increases with level (1-10). (Figure 2)

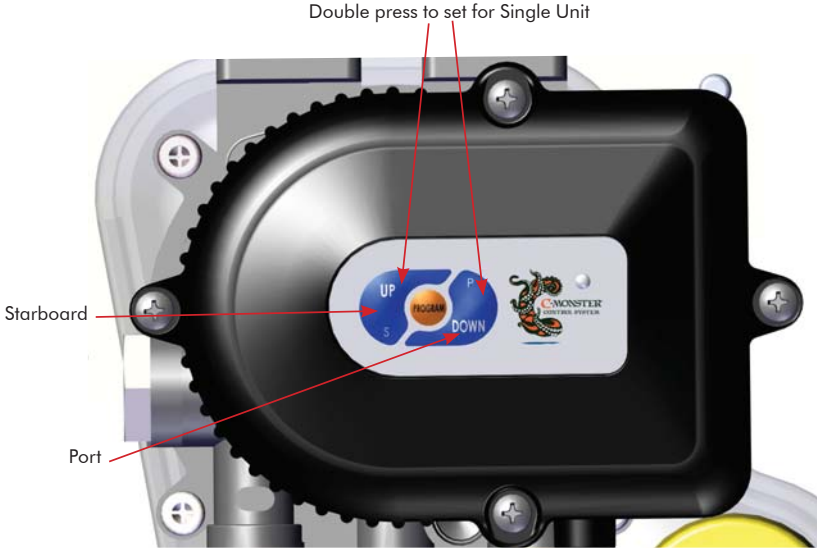
Figure 2



Once you have made all desired setting changes, press and release the program button to save your settings and exit PROGRAM mode. You will hear a series of beeps and the LED light will return to flashing green.

Function 1: Setting as a single or as a port or starboard unit (duals)

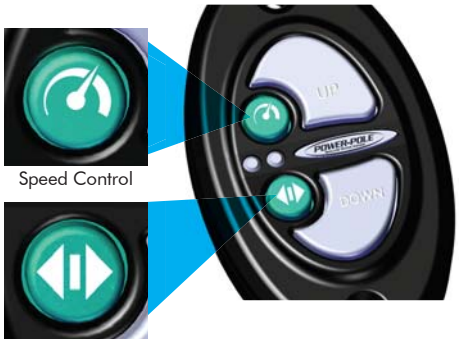
- Set as a single HPU-Press and hold both UP and DOWN buttons simultaneously.
- Set as starboard side HPU-Press and release the UP button.
- Set as port side HPU-Press and release the DOWN button.



Once you have made all desired setting changes, press and release the program button to save your settings and exit PROGRAM mode. You will hear a series of beeps and the LED light will return to flashing green.

Surface Mount Switch

- The surface mount switch has three speed settings (slow, medium, & fast). Depressing and releasing the "speed" button will toggle through the three settings.
- The LED lights on switch will flash corresponding to either a slow, medium, or fast setting.
- With dual Power-Pole anchors installed, the surface mount switch can also be used to toggle between independent or simultaneous control of the anchors. Depressing and releasing the "directional" button will toggle through the three settings (port side only, starboard side only, or simultaneous control).
- The LED will flash either port side only, starboard side only, or on both sides to indicate the current control settings.



Speed Control

Port or Starboard Directional Control

- To raise or lower your Power-Pole shallow water anchor, press and hold either the UP or DOWN button on the switch. The anchor will only continue to move so long as you keep the button depressed.

Auto Mode: Double tapping (depressing and releasing 2 times within 1 second) either the UP or the DOWN button on the switch will cause the anchor to retract or deploy automatically. The anchor will continue to move in said direction until it either retracts completely (up) or senses a solid bottom surface (down).

Remote Control

- To raise or lower the Power-Pole anchor, press and hold either the UP or DOWN button on the remote control. The anchor will only continue to move so long as you keep the button depressed.

Auto Mode: Double tapping (depressing and releasing 2 times within 1 second) either the UP or the DOWN button on the remote control will cause the anchor to retract or deploy automatically. The anchor will continue to move in said direction until it either retracts completely (up) or senses a solid bottom surface (down).

Pairing dual Power-Pole anchors to a single wireless controller

Your new Power-Pole anchor comes paired to the included Dash Switch and Key Fob remotes. When installing dual units, you can program a single Dash Switch and/or Key Fob remote to control both anchors. To operate both units with one controller follow Steps 1–3.

1. Determine which unit is paired with the controller by pressing the UP or DOWN button.
2. Press and hold the program/pair button on the other unit for three seconds until the LED turns green.
3. Press and hold the UP or DOWN button on the controller until both units respond.

C-Monster Smart Phone App

The C-Monster app is available for free in the Android Marketplace.

The C-Monster smart phone app will allow you to do the following:

- Adjust the HPU's slow, medium, and fast speed settings.
- Adjust the hibernation time of the HPU for preserving battery life.
- Adjust the speed of the hand held standard key-fob.
- Select hard bottom, soft bottom or auto sensing for anchoring settings.
- Change the anchoring sensitivity to fine tune the auto operation.
- Download the latest software and keep your system up to date with the latest available features.

Smart Phone App Installation

Begin by installing the C-Monster application for Power-Pole.

- Go to the Android Marketplace on your smart phone. Search for C-Monster. In the results list locate and select the Official Power-Pole C- Monster application. A description of the APP will appear, press INSTALL to install the APP. Once the application is installed, return to the home screen on your phone.
- Instructions for using the App can be found within the App.

Maintenance and Storage

- Inspect all hydraulic lines for kinking or abrasion prior to use.
- Inspect all hydraulic fittings for leaks and proper tightness prior to each use.

CAUTION: If disconnecting the hydraulic lines, please read the following:

Hydraulic lines are always pressurized; therefore, disconnecting them will cause a sudden high pressure release. This high pressure release may cause oil leakage from the lines and/or fittings. When depressurizing the lines, the unit must be supported; otherwise the anchor will fall to the fully deployed position. This may result in damage to the unit as well as bodily harm.

- Inspect all electrical connections to ensure that they are secure and free of corrosion every 3 months.
- Inspect all fasteners for proper tightness after every 100 cycles to ensure that the Power-Pole anchor is in safe working condition.

  Note: Tighten all lock nuts snug using standard hand tools. If Power-Pole anchor is still lose please contact a member of our technical support staff at (813) 689-9932 opt 2
- Ensure that the Green Marine® biodegradable hydraulic fluid level is within the indicator marks on the reservoir at all times.

Maintenance and Storage (CONTINUED)

- Thoroughly rinse all moving parts with fresh water after each use.
- Always ensure that your Power-Pole shallow water anchor is in the stowed position when travelling.
- Lubricate the bushings at both the stern bracket and knuckle hinge points with spray lithium grease every 6 months. (See Figure 1 & 2)

Figure 1

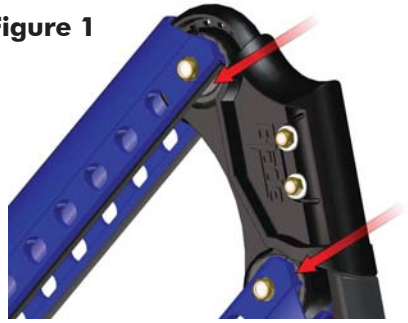
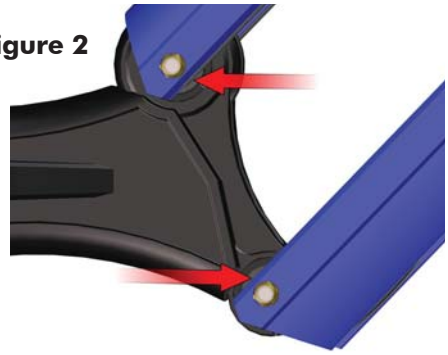


Figure 2



Frequently Asked Questions (FAQ)

Q: Can my dual Power-Pole anchors be controlled independently?
A: Yes. The C-Monster control system allows for the independent control of dual Power-Pole anchors. The included Advanced C-Monster Surface Mount Switch is capable of independent control, but the included Standard C-Monster Remote Control is not. Additional accessories, such as the Advanced C-Monster Remote Control and the Advanced C-Monster Wireless Foot Switch, will also allow independent control.

Q: What maintenance is required with my Power-Pole shallow water anchor?
A: The bolts on your Power-Pole anchor need to be checked every 100 cycles, and tightened as needed. Should you see any damaged bushings upon tightening, replace them immediately.

Q: How often should I change my hydraulic fluid?
A: While there is no recommended time interval for a hydraulic fluid flush, the fluid should be changed if there is any visible debris in the reservoir. Additionally, if the fluid appears milky or white, it should be changed immediately. White fluid is a sign of water intrusion, and the entire system should be checked for leaks.

Q: What type of hydraulic fluid should I use?
A: The HPU reservoir should be filled with Green Marine® biodegradable hydraulic fluid or an ISO 32 hydraulic fluid. Green Marine is available through all authorized Power-Pole dealers.

Q: Are Power-Pole HPUs interchangeable?
A: No. All Power-Pole HPUs, while identical in appearance, are unique in regard to the pressures that they produce. Certain anchor models require more pressure due to their size, while other anchors are set with higher pressures in order to enhance performance. Aside from HPU pressures, all C-Monster units have an internal circuit board containing firmware that is specific to each model.

Q: How will the Power-Pole affect my battery during operation?
A: The average life of a 12 volt battery with 55 cold cranking amps is 1,200 cycles per charge.

Frequently Asked Questions (FAQ)

Q: Will the C-Monster HPU drain my battery when it is not in in use?

A: No. Although the HPU should be powered off via a battery switch when stored, the amperage draw on your vessel's battery during hibernation mode (40 mA) will be negligible. By default, the HPU will go into hibernation mode after the Power-Pole is idle for (6 hours). The green LED on the HPU case will no longer flash green when the HPU goes into hibernation mode.

NOTE: The mentioned hibernation feature is only available with the latest firmware 1.15 and later. A firmware update may need to be performed using the C-Monster smart phone app or the C-Monster update utility found on the web site www.power-pole.com

Q: Do I need two HPUs in order to run dual Power-Poles?

A: Yes. We recommend the use of independent pump systems with each Power-Pole anchor for the following reasons:

- Dual Power-Pole anchors will not deploy at the same time and/or same rate using one pump.
- The relief valves will not function according to the intended design of the Power-Pole anchor and may cause a mechanical failure when using only one pump system.
- Many features of our newer models will not be functional when a single pump is used.
- Damage is quite possible using one pump with two Power-Pole anchors, doing so will void all warranties.

Q: What should I do if my Power-Pole is stuck in the deployed position?

A: If your Power-Pole will not retract for any reason, simply drive toward shallow water, and the pole protector valve will allow the anchor to stow. If the anchor still will not retract, please contact a member of our technical support staff for assistance at **813.689.9932 option 2.**

Q: How many wireless controllers can I program to my C-Monster System?

A: Up to ten (10) wireless controllers can be programmed to operate your single or dual C-Monster system.

Q: How do I program a new wireless controller to my existing C-Monster system?

A: 1. Press and hold the "Program" button on top of the (HPU) hydraulic pump unit for 3 seconds until the LED turns solid green (HPU will also beep).
2. Press and hold either the UP or DOWN button on the wireless controller you are pairing until the unit responds.

Q: How do I adjust the speed on my included wireless key fob?

A: The included wireless key fob comes out of the box set to the 100% speed setting. This can be adjusted by downloading the C-Monster App and connecting to the system via Bluetooth with your Android powered smart phone.

NOTE: Refer to the Top Side Switch Functions of this guide for changing speed settings of key-fob by way of (HPU) hydraulic pump unit.

Q: How do I order a replacement spike?

A: Replacement spikes can only be ordered via phone. Simply call a member of our technical support staff for a free replacement. Before calling please be sure that you have your serial number. Serial numbers are located on the bottom of the stern bracket on most models.

Q: Why does my Power-Pole anchor fall down over time?

A: This is caused by either an external or an internal leak in the hydraulic system. First, check all hydraulic fittings and tubing for leaks. If no external leaks are found, please contact our technical support staff.

Q: What are JL Marine System's hours of operation?

A: Business hours, including Technical Support hours are listed at power-pole.com

Precautions

- Prior to use, read this guide carefully. Become familiar with the controls and how to operate your Power-Pole shallow water anchor properly.
- Do not allow children to operate or tamper with the Power-Pole shallow water anchor without adult supervision.
- Do not modify the unit in any way.
- Use only genuine Power-Pole shallow water anchor accessories.
- Always disconnect the 12 volt power source from the anchor before servicing.
- In the event of HPU failure, your Power-Pole anchor may be manually stowed by activating the pole protector valve.
    - Do so by applying enough upward force to lift the unit into its upright position.
    - If the anchor is not within reach, you may drive the boat toward shallow water. Doing so will apply enough upward force to lift the unit within reach.
- Be sure to have your Power-Pole anchor in the stowed (fully upright) position while operating your vessel at high speeds.
- Always maintain a safe distance between the anchor and your extremities. Avoid wearing loose clothing within close proximity of the anchor. Failure to do so may result in bodily injury.
- Do not use your Power-Pole shallow water anchor as a form of assistance for entering or exiting the vessel.
- Never leave your boat unattended with the Power-Pole anchor as the primary anchorage.
- During situations with high wind or rough seas, your Power-Pole anchor may release holding pressure in order to protect your vessel's transom.
- If any debris gets caught around your Power-Pole anchor, disconnect the 12 volt power source prior to removal.

FIVE (5) YEAR LIMITED WARRANTY

Power-Pole® Blade Edition shallow water anchor

Conditions of this Warranty

A Power-Pole Blade Edition shallow water anchor manufactured by JL Marine systems Inc. is warranted against defects in material and workmanship in the stern bracket, knuckle joint, hydraulic system, and electrical system, to the original end consumer from the original purchase date, according to the following stipulations:

1. Power-Pole Blade Edition shallow water anchor warranties are activated upon receipt by JL Marine Systems, Inc. of the completed warranty card, postdated within (10) days of the original purchase date or by registering your Power-Pole on our website. Please retain your sales receipt as proof of purchase.
2. Install Genuine Power-Pole Merchandise ONLY. This warranty is void if any non authorized parts are used or installed.
3. This warranty is void if the Power-Pole Blade Edition shallow water anchor is used commercially, structurally altered or subject to stress beyond the physical limits of the manufactured material.
4. This warranty does not cover abrasion or abnormal abuse, nor does it cover the Power-Pole shallow water anchor for anything other than its intended use.
5. JL Marine Systems, Inc. reserves the right to change products and designs without incurring any obligations to incorporate such changes in already completed products, or those in the hands of dealers or consumers. Products repaired or replaced under this warranty may or may not have these changes.

Shipping (Only applies to packages shipped within the Continental U.S.)

1. Parts which prove defective within (90) days from the date of purchase, JL Marine Systems, Inc. will pay for the replacement product shipping and handling fees to and from the JL Marine Systems, Inc. manufacturing plant or some other place which JL Marine Systems, Inc. might designate.
2. Parts which prove defective after (90) days but before (12) months from the date of purchase will also be repaired or replaced free of charge, but there may be a shipping charge to JL Marine Systems, Inc. manufacturing plant or some other place which JL Marine Systems, Inc. might designate.
3. Parts which prove defective after (12) months will also be repaired or replaced free of charge, but there may be a shipping and handling charge to and from the JL Marine Systems, Inc. manufacturing plant or some other place which JL Marine Systems, Inc. might designate.

Parts

1. A **Stern bracket** or **Knuckle joint,** which proves defective before sixty (60) months, will be repaired or replaced free of charge. In the case of replacement, parts of same (or equivalent) model will be used.
2. The **Hydraulic Power Unit (HPU)** which proves defective within (24) months from date of purchase will be repaired or replaced free of charge. Pump damage due to incorrect hydraulic fluid, submersion or excessive exposure to water may void this warranty.
3. The **American Marine Finish** is covered for a period of six (6) months not to crack, chip or fade.
4. A **Cylinder** or **tubing** which proves defective within (24) months from date of purchase will be repaired or replaced free of charge. In the case of replacement, parts of same (or equivalent) model will be used.
5. **Spike** unconditional lifetime guarantee.
6. **This Warranty does not cover water damage in any way.**

THE WARRANTY CONTAINED HEREIN IS THE EXCLUSIVE WARRANTY MADE BY JL Marine Systems, Inc. AND THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY MADE WITH RESPECT TO SUCH ANCHORS. JL MARINE SYSTEMS, INC. IS NOT LIABLE FOR ANY INJURY OR MISHAPS SUSTAINED IN THE USE OF THIS PRODUCT. THE USER OF THIS PRODUCT ACKNOWLEDGES ASSUMED RISKS AND WAIVES ANY AND ALL CLAIMS AGAINST JL Marine Systems, Inc. AND ANY OF IT'S AGENTS.
This warranty applies under conditions of normal use. The warranty does not cover: 1) defects caused by improper assembly or disassembly; 2) defects occurring after purchase due to product modification, intentional damage, accident, misuse, abuse, negligence or exposure to corrosive elements; 3) cosmetic damage and 4) labor or assembly costs.
Except as provided herein, JL Marine Systems, Inc. makes no express warranties, and any implied warranty, including without limitation any implied warranty of merchantability or fitness for a particular purpose, is limited in its duration to the duration of the written limited warranty set forth herein.
Except as provided herein, JL Marine Systems, Inc. shall have no liability or responsibility to the purchaser or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused directly or indirectly by use of the product, including, but not limited to, any incidental or consequential damages. Some states do not allow limitation on how long an implied warranty lasts or the exclusion of limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

FCC Part 15.19 Warning Statement – (Required for all Part 15 devices)
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

FCC Part 15.21 Warning Statement
NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

IC RSS-GEN, Sec 7.1.3 Warning Statement – (Required for license-exempt devices)
ENGLISH: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

FRENCH: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC RSS-GEN, Sec 7.1.2 Warning Statement – (Required for Transmitters)
ENGLISH: Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

FRENCH: Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée quivalente (p.i.r.e.) ne dépassepas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

IC RSS-GEN, Sec 7.1.2 Warning Statement – (Required for Transmitters w/ detachable antennas)
ENGLISH: This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device. Immediately following the above notice, the manufacturer shall provide a list of all antenna types approved for use with the transmitter, indicating the maximum permissible antenna gain (in dBi) and required impedance for each.

FRENCH: Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

IC RSS-102, Sec 2.6 Warning Statements
ENGLISH: The applicant is responsible for providing proper instructions to the user of the radio device, and any usage restrictions, including limits of exposure durations. The user manual shall provide installation and operation instructions, as well as any special usage conditions, to ensure compliance with SAR and/or RF field strength limits. For instance, compliance distance shall be clearly stated in the user manual.

FRENCH: Le mode d'emploi des appareils destinés à l'utilisation contrôlée doit aussi inclure des informations sur les caractéristiques de fonctionnement de l'appareil; les instructions de fonctionnement pour assurer la conformité avec SAR et / ou les limites d'intensité de champ RF; informations sur l'installation et l'exploitation d'accessoires pour assurer le respect des SAR et / ou les limites d'intensité de champ RF; et les coordonnées où l'utilisateur peut obtenir des informations sur l'exposition canadienne de radiofréquences et la conformité. Autres renseignements connexes peuvent également être inclus.

POWER-POLE®
SHALLOW WATER ANCHOR

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www.power-pole.com

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